

**WEEKES WASH BASELINE
FCD GAGE ID# 6753**

STATION DESCRIPTION

LOCATION - The gage is located on Baseline Road between Idaho and Tomahawk Roads. Latitude 33° 22' 43.2" North; Longitude 111° 32' 15.0" West. Located in S04 T1S R8E, in the Apache Junction 7.5-minute quadrangle.

ESTABLISHMENT - The gage was installed May 27, 2008.

DRAINAGE AREA – Not Determined

GAGE - The gage is a pressure transducer type instrument. The PT diaphragm is at gage height 0.20 feet, levels of June 19, 2008. The PT is located on the south side of Baseline Road.

There is no crest-stage gage at this site.

There is no staff gage at this site.

ZERO GAGE HEIGHT – Zero gage height is at the toe of the right bank at the gage cross section.

HISTORY – Gaging established on May 27, 2008. No previous gaging history at this location.

REFERENCE MARKS

RM-1 is an ADOT brass cap located on the right bank about 100 feet south of Baseline Road. Elevation 9.31 feet gage height, levels of June 19, 2008.

CHANNEL AND CONTROL - The channel is concrete lined for about 300 feet downstream from Baseline Road. After this point it is believed to revert to a natural condition. Channel shape is trapezoidal.

The control for the gage is not defined at low flows. The channel is the control at higher stages.

RATING - The current rating is Rating #1, dated May 27, 2008. The rating was developed from a survey of six cross sections at and downstream of the road. Data were used in an HEC-RAS model.

DISCHARGE MEASUREMENTS - Direct measurements would be possible in the channel at low flows. Anything above about 1.5 feet should not be attempted.

POINT OF ZERO FLOW - The PZF is at about 0.0 feet gage height.

FLOODS – None recorded since installation.

REGULATION - None known.

DIVERSIONS - None known

ACCURACY - Fair

JUSTIFICATION - Monitor flows into Powerline FRS for dam safety reasons.

UPDATED - July 21, 2011
 D E Gardner